

ANNEX IV

95/2/EC

OTHER PERMITTED ADDITIVES

The maximum levels of use indicated refer to foodstuffs ready for consumption prepared following manufacturers' instructions.

E No	Name	Foodstuff	Maximum level	
E 297	Fumaric acid	(<i>pro memoria</i>) Wine in accordance with Regulation (EEC) No 1873/84 authorizing the offer or disposal for direct human consumption of certain imported wines which may have undergone oenological processes not provided for in Regulation (EEC) No 337/79		
		Fillings and toppings for fine bakery wares	2,5 g/kg	
		Sugar confectionery	1 g/kg	
		Gel-like desserts Fruit-flavoured desserts Dry powdered dessert mixes	4 g/kg	
		Instant powders for fruit based drinks	1 g/l	
		Instant products for preparation of flavoured tea and herbal infusions	1 g/kg	98/72/EC
		Chewing gum	2 g/kg	95/2/EC
E 338 E 339	Phosphoric acid	In the following applications the indicated maximum levels of phosphoric acid and the phosphates E 338, E 339, E 340, E 341, E 343, E 450, E 451 and E 452 may be added individually or in combination (expressed as P ₂ O ₅):		98/72/EC
		Non-alcoholic flavoured drinks	700 mg/l	
		Sterilised and UHT milk	1 g/l	
		Candied fruits	800 mg/kg	
	Sodium phosphates	Fruit preparations	800 mg/kg	
		Partly dehydrated milk with less than 28 % solids	1 g/kg	
		i) Monosodium phosphate	Partly dehydrated milk with more than 28 % solids	1,5 g/kg
		ii) Disodium phosphate	Dried milk and dried skimmed milk	2,5 g/kg
		iii) Trisodium phosphate	Pasteurised, sterilised and UHT creams	5 g/kg
			Whipped cream and vegetable fat analogues	5 g/kg
			Unripened cheese (except <i>Mozzarella</i>)	2 g/kg

E No	Name	Foodstuff	Maximum level	95/2/EC
E 340	Potassium phosphates	Processed cheese and processed cheese analogues	20 g/kg	98/72/EC
	i) Monopotassium phosphate	Meat products	5 g/kg	
	ii) Dipotassium phosphate	Sport drinks and prepared table waters	0,5 g/l	
	iii) Tripotassium phosphate	Dietary supplements	<i>quantum satis</i>	
		Salt and its substitutes	10 g/kg	
		Vegetable protein drinks	20 g/l	
E 341	Calcium phosphate	Beverage whiteners	30 g/kg	
	i) Monocalcium phosphate	Beverage whiteners for vending machines	50 g/kg	
	ii) Dicalcium phosphate	Edible ices	1 g/kg	
	iii) Tricalcium phosphate	Desserts	3 g/kg	
		Dry powdered dessert mixes	7 g/kg	
		Fine bakery wares	20 g/kg	
E 343	Magnesium phosphates			
	i) Monomagnesium phosphate	Flour	2,5 g/kg	
	ii) Dimagnesium phosphate	Flour, self-raising	20 g/kg	
		Soda bread	20 g/kg	
		Liquid egg (white, yolk or whole egg)	10 g/kg	
E 450	Diphosphates	Sauces	5 g/kg	
	i) Disodium diphosphate	Soups and broths	3 g/kg	
	ii) Trisodium diphosphate	Instant tea and instant herbal infusions	2 g/kg	
	iii) Tetrasodium diphosphate	Cider and perry	2 g/l	
	v) (SIC! iv)) Tétrapotassium phosphate	Chewing-gum	<i>quantum satis</i>	
		Dried powdered foodstuffs	10 g/kg	
	vi) (SIC! v)) Dicalcium diphosphate	Chocolate and malt dairy-based drinks	2 g/l	
	vii) (SIC! vi)) Calcium dihydrogen diphosphate	Alcoholic drinks (excluding wine and beer)	1 g/l	
		Breakfast cereals	5 g/kg	
		Snacks	5 g/kg	
E 451	Triphosphates	Surimi	1 g/kg	
		Fish and crustacean paste	5 g/kg	
		i) Pentasodium triphosphate	3 g/kg	

E No	Name	Foodstuff	Maximum level	95/2/EC
E 452	ii) Pentapotassium tri-phosphate	Special formulae for particular nutritional uses	5 g/kg	98/72/EC
		Glazings for meat and vegetable products	4 g/kg	
	Polyphosphates	Sugar confectionery	5 g/kg	
		Icing sugar	10 g/kg	
	i) Sodium polyphosphate	Noodles	2 g/kg	
	ii) Potassium polyphosphate	Batters	12 g/kg	
	iii) Sodium calcium polyphosphate	Fillets of unprocessed fish, frozen and deep-frozen	5 g/kg	
	iv) Calcium polyphosphates	Unprocessed and processed molluscs and crustaceans frozen and deep-frozen	5 g/kg	
		Processed potato products (including frozen, deep-frozen, chilled and dried processed products) and pre-fried frozen and deep-frozen potatoes	5 g/kg	
		Spreadable fats excluding butter	5 g/kg	
		Beurre de crème acide	2 g/kg	
		Canned crustacean products	1 g/kg	
		Waterbased emulsion sprays for coating baking tins	30 g/kg	
		Coffee based drinks for vending machines	2 g/l	
		Solid dietary supplements	30 g/kg	
E 468	Crosslinked sodium carboxy methyl cellulose			
E 431	Polyoxyethylene (40) stearate	<i>(pro memoria)</i> Wine in accordance with Regulation (EEC) No 1873/84 authorizing the offer or disposal for direct human consumption of certain imported wines which may have undergone oenological processes not provided for in Regulation (EEC) No 337/79		95/2/CE
E 353	Metatartaric acid	Wine in accordance with Regulations (EEC) No 822/87, (EEC) No 4252/88, (EEC) No 2332/92 and (EEC) No 1873/84 and their implementing regulations		
		<i>Made wine</i>	100 mg/l	

E No	Name	Foodstuff	Maximum level	95/2/EC
E 355	Adipic acid Sodium adipate Potassium adipate	Fillings and toppings for fine bakery wares	2 g/kg	
E 356		Dry powdered dessert mixes	1 g/kg	
E 357		Gel-like desserts	6 g/kg	
		Fruit-flavoured desserts	1 g/kg	
		Powders for home preparation of drinks	10 g/l expressed as adipic acid	
E 363	Succinic acid	Desserts	6 g/kg	
		Soups and broths	5 g/kg	
		Powders for home preparation of drinks	3 g/l	
E 385	Calcium disodium ethyl- ene diamine tetraacetate (Calcium disodium EDTA)	Emulsified sauces	75 mg/kg	98/72/EC
		Canned and bottled pulses, legumes, mushrooms and artichokes	250 mg/kg	
		Canned and bottled crustaceans and molluscs	75 mg/kg	
		Canned and bottled fish	75 mg/kg	
		Spreadable fats as defined in Annexes B and C of Regulation (EC) no 2991/94 ⁽¹⁾ , having a fat content of 41 % or less	100 mg/kg	95/2/EC
		Frozen and deep-frozen crustaceans	75 mg/kg	
E 405	Propane-1, 2-diol algi- nate	Fat emulsions	3 g/kg	
		Fine bakery wares	2 g/kg	
		Fillings, toppings and coatings for fine bakery wares and desserts	5 g/kg	
		Sugar confectionery	1,5 g/kg	
		Water-based edible ices	3 g/kg	
		Cereal- and potato-based snacks	3 g/kg	
		Sauces	8 g/kg	
		Beer	100 mg/l	
		Chewing gum	5 g/kg	
		Fruit and vegetable preparations	5 g/kg	
		Non-alcoholic flavoured drinks	300 mg/l	
		Emulsified liqueur	10 g/l	
		Dietetic foods intended for special medical purposes – Dietetic formulae for weight control intended to replace total daily food intake or an individual meal	1,2 g/kg	
⁽¹⁾ OJ L 316, 9. 12. 1994, p. 2.				

E No	Name	Foodstuff	Maximum level	95/2/EC
		Dietary food supplements	1 g/kg	
		Cider excluding <i>cidre bouché</i>	100 mg/l	98/72/EC
E 416	Karaya gum	Cereal- and potato-based snacks	5 g/kg	95/2/EC
		Nut coatings	10 g/kg	
		Fillings, toppings and coatings for fine bakery wares	5 g/kg	
		Desserts	6 g/kg	
		Emulsified sauces	10 g/kg	
		Egg-based liqueurs	10 g/l	
		Dietary food supplements	<i>quantum satis</i>	
		Chewing gum	5 g/kg	
E 420	Sorbitol	Foodstuffs in general (except drinks and those foodstuffs referred to in Article 2 (3))	<i>quantum satis</i>	
	i) Sorbitol			
	ii) Sorbitol syrup			
E 421	Mannitol		(for purposes other than sweetening)	
E 953	Isomalt			
E 965	Maltitol			
	i) Maltitol			
	ii) Maltitol syrup			
E 966	Lactitol			
E 967	Xylitol			
		Liqueurs		
E 432	Polyoxyethylen sorbitan monolaurate (polysorbate 20)	Fine bakery wares	3 g/kg	
		Fat emulsions for baking purposes	10 g/kg	
E 433	Polyoxyethylene sorbitan monooleate (polysorbate 80)	Milk and cream analogues	5 g/kg	
		Edible ices	1 g/kg	
		Desserts	3 g/kg	
E 434	Polyoxyethylene sorbitan monopalmitate (polysorbate 40)	Sugar confectionery	1 g/kg	
		Emulsified sauces	5 g/kg	
		Soups	1 g/kg	
E 435	Polyoxyethylene sorbitan monostearate (polysorbate 60)	Chewing gum	5 g/kg	
		Dietary food supplements	<i>quantum satis</i>	
E 436	Polyoxyethylene sorbitan tristearate (polysorbate 65)	Dietetic foods intended for special medical purposes – Dietetic formulae for weight control intended to replace total daily food intake or an individual meal	1 g/kg Individually or in combination	
E 442	Ammonium phosphatides	<u>Cocoa and chocolate products as defined in Directive 73/241/EEC including fillings</u>	10 g/kg	98/72/EC
		<u>Confectionery-based on these products</u>	10 g/kg	98/72/EC

E No	Name	Foodstuff	Maximum level	
E 444	Sucrose acetate isobutyrate	Non-alcoholic flavoured cloudy drinks	300 mg/l	95/2/EC
E 445	Glycerol esters of wood rosins	Non-alcoholic flavoured cloudy drinks	100 mg/l	
		Surface treatment of citrus fruit	50 mg/kg	98/72/EC
E 473	Sucrose esters of fatty acids } Sucroglycerides }	Canned liquid coffee	1 g/l	95/2/EC
E 474		Heat-treated meat products	5 g/kg (on fat)	
		Fat emulsions for baking purposes	10 g/kg	
		Fine bakery wares	10 g/kg	
		Beverage whiteners	20 g/kg	
		Edible ices	5 g/kg	
		Sugar confectionery	5 g/kg	
		Desserts	5 g/kg	
		Sauces	10 g/l	
		Soups and broths	2 g/l	
		Fresh fruits, surface treatment	<i>quantum satis</i>	
		Non-alcoholic aniseed-based drinks	5 g/l	
		Non-alcoholic coconut and almond drinks	5 g/l	
		Spirituous beverages (excluding wine and beer)	5 g/l	
		Powders for the preparation of hot beverages	10 g/l	
		Dairy-based drinks	5 g/l	
		Dietary food supplements	<i>quantum satis</i>	
		Dietetic foods intended for special medical purposes; Dietetic formulae for weight control intended to replace total daily food intake or an individual meal	5 g/kg	
		Chewing gum	10 g/kg Individually or in combination	
		Cream analogues	5 g/kg	98/72/EC
		Sterilised cream and sterilised cream with reduced fat content	5 g/kg	

E No	Name	Foodstuff	Maximum level	95/2/EC
E 475	Polyglycerol esters of fatty acids	Fine bakery wares Emulsified liqueurs Egg products Beverage whiteners Chewing gum Fat emulsions Milk and cream analogues Sugar confectionery Desserts Dietary food supplements Dietetic foods intended for special medical purposes — Dietetic formulae for weight control intended to replace total daily food intake or an individual meal Granola-type breakfast cereals	10 g/kg 5 g/l 1 g/kg 0,5 g/kg 5 g/kg 5 g/kg 5 g/kg 2 g/kg 2 g/kg <i>quantum satis</i> 5 g/kg 10 g/kg	
E 476	Polyglycerol polyricino- leate	Spreadable fats as defined in Annexes A, B and C of Regulation (EC) No 2991/94 having a fat content of 41 % or less Similar spreadable products with a fat content of less than 10 % fat Dressings Cocoa-based confectionery, including chocolate	4 g/kg 4 g/kg 4 g/kg 5 g/kg	98/72/EC 95/2/EC
E 477	Propane-1,2-diol esters of fatty acids	Fine bakery wares Fat emulsions for baking purposes Milk and cream analogues Beverage whiteners Edible ices Sugar confectionery Desserts Whipped dessert toppings other than cream Dietetic foods intended for special medical purposes — Dietetic formulae for weight control intended to replace total daily food intake or an individual meal	5 g/kg 10 g/kg 5 g/kg 1 g/kg 3 g/kg 5 g/kg 5 g/kg 30 g/kg 1 g/kg	

E No	Name	Foodstuff	Maximum level
E 479b	Thermally oxidized soya bean oil interacted with mono- and diglycerides of fatty acids	Fat emulsions for frying purposes	5 g/kg
E 481	Sodium stearyl-2-lactylate Calcium stearyl-2-lactylate	Fine bakery wares	5 g/kg
E 482		Quick-cook rice	4 g/kg
		Breakfast cereals	5 g/kg
		Emulsified liqueur	8 g/l
		Spirits with less than 15 % alcohol by volume	8 g/l
		Cereal-based snacks	2 g/kg
		Chewing gum	2 g/kg
		Fat emulsions	10 g/kg
		Desserts	5 g/kg
		Sugar confectionery	5 g/kg
		Beverage whiteners	3 g/kg
		Cereal- and potato-based snacks	5 g/kg
		Minced and diced canned meat products	4 g/kg
		Powders for the preparation of hot beverages	2 g/l
		Dietetic foods intended for special medical purposes – Dietetic formulae for weight control intended to replace total daily food intake or an individual meal	2 g/kg
		Bread (except that referred to in Annex II)	3 g/kg
		<i>Mostarda di frutta</i>	2 g/kg Individually or in combination
E 483	Stearyl tartrate	Bakery wares (except breads referred to in Annex II)	4 g/kg
		Desserts	5 g/kg
E 491	Sorbitan monostearate Sorbitan tristearate Sorbitan monolaurate Sorbitan monooleate Sorbitan monopalmitate	Fine bakery wares	10 g/kg
E 492		Toppings and coatings for fine bakery wares	5 g/kg
E 493		Jelly marmalade	25 mg/kg ⁽¹⁾
E 494		Fat emulsions	10 g/kg
E 495		Milk and cream analogues	5 g/kg
		Beverage whiteners	5 g/kg

⁽¹⁾ E 493 only.

95/2/EC

E No	Name	Foodstuff	Maximum level
		Liquid tea concentrates and liquid fruit and herbal infusions concentrates	0,5 g/kg
		Edible ices	0,5 g/kg
		Desserts	5 g/kg
		Sugar confectionery	5 g/kg
		Cocoa-based confectionery, including chocolate	10 g/kg ⁽¹⁾
		Emulsified sauces	5 g/kg
		Dietary food supplements	<i>quantum satis</i>
		Yeast for baking	<i>quantum satis</i>
		Chewing gum	5 g/kg
		Dietetic foods intended for special medical purposes; dietetic formulae for weight control intended to replace total daily food intake or an individual meal	5 g/kg
		(<i>pro memoria</i>) For E 491 only, wine in accordance with Regulation (EEC) No 1873/84 authorizing the offer or disposal for direct human consumption of certain imported wines which may have undergone oenological processes not provided for in Regulation (EEC) No 337/79	Individually or in combination
E 512	Stannous chloride	Canned and bottled white asparagus	25 mg/kg as Sn
E 520	Aluminium sulphate	Egg white Candied, crystallized and glacé fruit and vegetables	30 mg/kg 200 mg/kg Individually or in combination, expressed as aluminium
E 521	Aluminium sodium sulphate		
E 522	Aluminium potassium sulphate		
E 523	Aluminium ammonium sulphate		
E 541	Sodium aluminium phosphate, acidic	Fine bakery wares (scones and sponge wares only)	1 g/kg expressed as aluminium
E 535	Sodium ferrocyanide	Salt and its substitutes	Individually or in combination, 20 mg/kg as anhydrous potassium ferrocyanide
E 536	Potassium ferrocyanide		
E 538	Calcium ferrocyanide		

⁽¹⁾ E 492 only.

E No	Name	Foodstuff	Maximum level	
E 551	Silicon dioxide	Dried powdered foodstuffs (including sugars)	10 g/kg	95/2/EC
E 552	Calcium silicate	Salt and its substitutes		
E 553a	i) Magnesium silicate	Dietary food supplements	10 g/kg	
	ii) Magnesium trisilicate ⁽¹⁾	Foodstuffs in tablet and coated tablet form	<i>quantum satis</i>	
E 553b	Talc ⁽¹⁾	<u>Sliced or grated hard, semi-hard and processed cheese</u>	<u>10 g/kg</u>	98/72/EC
E 554	Sodium aluminium silicate	<u>Sliced or grated cheese analogues and processed cheese analogues</u>		
E 555	Potassium aluminium silicate			
E 556	Calcium aluminium silicate			
E 559	Aluminium silicate (Kaolin)			
		Chewing gum	<i>quantum satis</i> ⁽²⁾	
		Rice		
		Sausages (surface treatment only)		
		Seasonings	30 g/kg	98/72/EC
		Confectionery excluding chocolate (surface treatment only)	<i>quantum satis</i>	
		Tin-greasing products	30 g/kg	
E 579	Ferrous gluconate	Olives darkened by oxidation	150 mg/kg as Fe	95/2/EC
E 585	Ferrous lactate			
E 620	Glutamic acid	Foodstuffs in general (except those referred to in Article 2 (3))	10 g/kg Individually or in combination	
E 621	Monosodium glutamate			
E 622	Monopotassium glutamate			
E 623	Calcium diglutamate	Condiments and seasonings	<i>quantum satis</i>	
E 624	Monoammonium glutamate			
E 625	Magnesium diglutamate			
E 626	Guanylic acid	Foodstuffs in general (except those referred to in Article 2 (3))	500 mg/kg individually or in combination, expressed as guanylic acid	
E 627	Disodium guanylate			
E 628	Dipotassium guanylate			
E 629	Calcium guanylate			
E 630	Inosinic acid			

⁽¹⁾ Asbestos free.⁽²⁾ E 553b only.

E No	Name	Foodstuff	Maximum level	
E 631	Disodium inosinate	Seasonings and condiments	<i>quantum satis</i>	95/2/EC
E 632	Dipotassium inosinate			
E 633	Calcium inosinate			
E 634	Calcium 54-ribonucleotides			
E 635	Disodium 54-ribonucleotides			
E 900	Dimethyl polysiloxane	<p>Jam, jellies and marmalades as defined in Directive 79/693/EEC and similar fruit spreads, including low calorie products</p> <p>Soups and broths</p> <p>Oils and fats for frying</p> <p>Confectionery (excluding chocolate)</p> <p>Non-alcoholic flavoured drinks</p> <p>Pineapple juice</p> <p>Canned and bottled fruit and vegetables</p> <p>Chewing gum</p> <p><i>(pro memoria)</i> Wine in accordance with Regulation (EEC) No 1873/84 authorizing the offer or disposal for direct human consumption of certain imported wines which may have undergone oenological processes not provided for in Regulation (EEC) No 337/79</p> <p><i>Sød . . . saft</i></p> <p>Batters</p> <p>Cider excluding <i>cidre bouché</i></p>	<p>10 mg/kg</p> <p>10 mg/kg</p> <p>10 mg/kg</p> <p>10 mg/kg</p> <p>10 mg/l</p> <p>10 mg/l</p> <p>10 mg/kg</p> <p>100 mg/kg</p> <p></p> <p>10 mg/l</p> <p>10 mg/kg</p> <p>10 mg/l</p>	98/72/EC
E 901	Beeswax, white and yellow	<p>As glazing agents only for:</p> <ul style="list-style-type: none"> — Confectionery (including chocolate) — Small products of fine bakery wares coated with chocolate — Snacks — Nuts — Coffee beans 	<i>quantum satis</i>	95/2/EC
E 902	Candelilla wax			
E 903	Carnauba wax			
E 904	Shellac			
		Dietary food supplements	<i>quantum satis</i>	
		Fresh citrus fruits, melons, apples and pears (surface treatment only)	<i>quantum satis</i>	
		Peaches and pineapples (surface treatment only)	<i>quantum satis</i>	98/72/EC

E No	Name	Foodstuff	Maximum level	
E 905	Microcrystalline wax	Surface treatment of: — confectionery excluding chocolate — chewing gum — melons, papaya, mango and avocado	<i>quantum satis</i>	95/2/EC 98/72/EC
E 912 E 914	Montan acid esters Oxidized polyethylene wax	Fresh citrus fruits (surface treatment only)	<i>quantum satis</i>	95/2/EC
		Fresh melon, mango, papaya, avocado and pineapple (surface treatment only)	<i>quantum satis</i>	98/72/EC
E 927b	Carbamide	Chewing gum without added sugars	30 g/kg	95/2/EC
E 950 E 951 E 957	Acesulfame-K Aspartame Thaumatococcus	Chewing gum with added sugars	800 mg/kg 2 500 mg/kg 10 mg/kg (as flavour enhancer only) ⁽¹⁾	95/2/EC
		Water-based flavoured non-alcoholic drinks Desserts — dairy and non dairy	0,5 mg/l 5 mg/kg (as flavour enhancer only)	98/72/EC
E 959	Neohesperidine DC	Chewing gum with added sugars	150 mg/kg	95/2/EC
		Spreadable fats as defined in Annexes B and C of Regulation (EC) No 2991/94	5 mg/kg	98/72/EC
		Meat products Fruit jellies Vegetable proteins	5 mg/kg (as flavour enhancer only) ⁽¹⁾	95/2/EC
E 999	Quillaia extract	Water-based flavoured non-alcoholic drinks	200 mg/l calculated as anhydrous extract	95/2/EC
		Cider excluding <i>cidre bouché</i>	200 mg/l calculated as anhydrous extract	98/72/EC
E 1201 E 1202	Polyvinylpyrrolidone Polyvinylpolypyrrolidone	Dietary food supplements in tablet and coated tablet form	<i>quantum satis</i>	95/2/EC

⁽¹⁾ If E 950, E 951, E 957 and E 959 are used in combination in chewing gum, the maximum level for each is reduced proportionally.

E No	Name	Foodstuff	Maximum level	95/2/EC
E 1505	Triethyl citrate		<i>quantum satis</i>	
E 1518	Glyceryl triacetate (triacetin)	Chewing gum	<i>quantum satis</i>	98/72/EC
E 459	Beta-cyclodextrine	Foodstuffs in tablet and coated tablet form	<i>quantum satis</i>	
E 425	Konjac ⁽¹⁾ i) Konjac gum ii) Konjac glucomannane	Foodstuffs in general (except those referred to in Article 2(3))	10 g/kg individually or in combination	
⁽¹⁾ These substances may not be used to produce dehydrated foodstuffs intended to rehydrate on ingestion.				

E 650 Zinc acetate - Chewing gum - 1000 mg/kg (2001/5/EC)

E 943a - Butane - * - quantum satis (2001/5/EC)

E 943b - Iso-butane - * - quantum satis - (2001/5/EC)

E 944 - Propane - * - quantum satis - (2001/5/EC)

* vegetable oil pan spray (prof. use only, water-based emulsion spray)